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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference				
PCT038288	FOR FURTHER ACT		See Form PCT/IPEA/416	
International application No. International		(day/month/year)	Priority date (day/month/year)	
PCT/CN03/00522 01.JULY.200			02.SEP.2002 (02.09.02)	
International Patent Classification (IPC) or				
IPC ⁷ C07K	7/08 ; C07K14/46; A6	1K38/00; A61P31/	00; A61P35/00	
Applicant				
SHANGHAI HI-TECH UNI	SHANGHAI HI-TECH UNITED BIO-TECHNOLOGICAL RESEARCH &DEVELOPMENT CO., LTD. et al.			
This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.				
2. This REPORT consists of a total of	2. This REPORT consists of a total of 4 sheets, including this cover sheet.			
3. This report is also accompanied by A	NNEXES, comprising:			
a. (sent to the applicant and to	the International Bureau)	a total of	sheets, as follows:	
			ended and are the basis of this report and/or	
sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).				
			ers contain an amendment that goes beyond	
the disclosure in the in Box.	the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.			
b. 🔲 (sent to the International Bu				
containing a sequence list Supplemental Box Relating	ting and/or tables related to Sequence Listing (see S	thereto, in compute Section 802 of the Adr	er readable form only, as indicated in the	
This report contains indications rela				
Box No. I Basis of the r	-	•		
Box No. II Priority	oport			
Box No. IV Lack of unity	_	a to novoity, mivoitive	stop and measural approachity	
	<u> </u>		inventive step or industrial applicability:	
citations and explanations supporting such statement				
Box No. VII Certain defect				
Box No. VIII Certain obser	vations on the internationa	al application		
Date of submission of the demand Date of completion of this report		f this report		
17 February. 2004 (17. 02. 2004)		02.March.2005 (02.03.2005)		
		<u> </u>		
Name and mailing address of the IPEA/ 6 Xitucheng Rd., Jimen Bridge, Haidian District,		Authorized officer	WATChunhage !	
100088 Beijing, Chi				
Facsimile No. 86-10-62019451 Telephone No. 86-10-6208			0-620(\$20(\$5) \$=	
Form PCT/IPEA/409 (cover sheet) (January 2004)				





Box	K No.	1 1	Basis of the report	
1.			ard to the language, this report is based on the international application in the language indicated under this item.	n which it was filed, unless
			report is based on translations from the original language into the following language ch is the language of a translation furnished for the purposes of:	· · · · · · · · · · · · · · · · · · ·
			international search (under Rules 12.3 and 23.1(b))	
			publication of the international application (under Rule 12.4)	
			international preliminary examination (under Rules 55.2 and/or 55.3)	
2.	to t	he red	ard to the elements of the international application, this report is based on (replacement ceiving Office in response to an invitation under Article 14 are referred to in this report to this report):	
	\boxtimes	the	international application as originally filed/furnished	
	. 🗆		description:	
		_	ages	as originally filed/furnished
		_	received by this Authority on received by this Authority on	
1		P	received by this rathering on	
		the	claims:	
		_	ages	as originally filed/furnished
		_		ith any statement)under Article 19
		-	received by this Authority on	
		P	ages * received by this Authority on	
		the	drawings:	
		pa	ages	as originally filed/furnished
		pa	ages • received by this Authority on	
		P	ages • received by this Authority on	
	×	a se	equence listing and/or any related table(s) - see Supplemental Box Relating to Sequence	Listing.
3		l Th	ne amendments have resulted in the cancellation of:	
-	· -			
		L		
1		Г	the drawings, sheets/figs the sequence listing (specify):	
		_	ine sequence fishing (specify).	
			any table(s) related to sequence listing (specify):	
,	4. [is report has been established as if (some of) the amendments annexed to this report and ace they have been considered to go beyond the disclosure as filed, as indicated in the So	
			the description, pages	
			the claims, Nos.	
			the drawings, sheets/figs	
			the sequence listing (specify):	
			any table(s) related to sequence listing (specify):	
	*	lf iten	n 4 applies, some or all of those sheets may be marked "superseded."	
1				



International application No. PCT/CN03/00522

Во	x No. V Reasoned statement und	er Article 35(2)	with regard to novelty, inventive step or industria	l applicability;
	citations and explanation	ns supporting s	uch statement	
1.	Statement:			
	Novelty (N)	Claims	1-18	YES
		Claims .		NO
	Inventive step (IS)	Claims	1-18	YES
		Claims .		NO NO
	Industrial applicability (IA)	Claims	1-18	YES
		Claims		NO NO

2. Citations and explanations (Rule 70.7)

Reference is made to the following documents:

D1: WO0009553 A2, ((BION-N) BIONEBRASKA INC, et al);

D2: WO9503325 A1, ((REGC) UNIV CALIFORNIA, et al);

D3: US 6071879 A ((OKLA) UNIV OKLAHOMA STATE);

1. Novelty (Article 33(2)PCT)

The embodiments of claims 1-18 of the present invention are not the same as the prior art. Claims 1-18 are novel under Article 33(2). PCT.

2. Inventive step (Article 33(3)PCT)

These claims 1-18 have inventive steps compared with the D1,D2 and D3, Which would have been not obvious to one of ordinary skilled in the art.

Claims 1-18 of the present application have inventive steps, meet the requirement of Article 33(3) PCT.

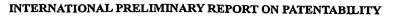
3. Industrial applicability (Article 33(4)PCT)

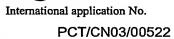
The present synthetic antibiotic peptides can be used for preparing the medicines for treating the diseases induced by bacteria, virus and fungi, and anticancer drugs.

Therefor, claims 1-18 meet the criteria set out for industrial applicability in Article 33(4) PCT.

Form PCT/IPEA/409 (Box No. V) (January 2004)

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Supplemental Box Relating to Sequence Listing				
Continuation of Box No. I, item 2:				
1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this report was established on the basis of:				
a. type of material				
a sequence listing				
table(s) related to the sequence listing				
b. format of material				
in written format				
in computer readable form				
c. time of filing/furnishing				
contained in the international application as filed				
filed together with the international application in computer readable form				
furnished subsequently to this Authority for the purposes of search and/or examination				
received by this Authority as an amendment *on				
2. In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed				
or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the				
· · · · · · · · · · · · · · · · · · ·				
application as filed or does not go beyond the application as filed, as appropriate, were furnished.				
3. Additional comments:				
*If item 4 in Box No.I applies, the listing and/or table(s) related thereto, which form part of the basis of the report, may be marked "superseded."				